OIPE

```
RAW SEQUENCE LISTING              DATE: 01/15/2002
PATENT APPLICATION:  US/10/024,607   TIME: 18:09:09

Input Set : A:\B08017231.txt
Output Set: N:\CRF3\01152002\J024607.raw
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Does Not Comply
Corrected Diskette Needed

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      5 <120> TITLE OF INVENTION: CARDIOVASCULAR DISEASE DIAGNOSTIC AND THERAPEUTIC TARGETS
      7 <130> FILE REFERENCE: B0801/7231/ERP/KA
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/024,607
C--> 9 <141> CURRENT FILING DATE: 2001-11-08
      9 <150> PRIOR APPLICATION NUMBER: US 60/247,457
     10 <151> PRIOR FILING DATE: 2000-11-09
     12 <160> NUMBER OF SEQ ID NOS: 33
     14 <170> SOFTWARE: FastSEQ for Windows Version 3.0
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ERRORED SEQUENCES

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    495 <222> LOCATION: (1)...(5028)
    496 <223> OTHER INFORMATION: Lot-1
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    501 ggaccgacgg tgtcgcccga atccggctcg gataggtctg gttggagtct gtgcctgctt       180
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    506 aggtggaaca gtggttcatc tcatctcatc agcacttctg aagaagaaag tgtgagaagc       540
    507 agaggccatg gctccttttc gctgtcaaaa atgcggcaag tccttcctca ccctggagaa       600
    508 gttcaccatc cacaattatt cccacaccag ggagcgccca ttcaagtgct ccaagactga       660
    509 gtgtggcaaa gccttcgtct ccaagtataa gctgatgaga cacatggcta cgcactctcc       720
    510 ccagaagacg caccagtgca ctcattgtga aaagactttc aaccggaagg atcatctgaa       780
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    515  cgaccactgc gagagatgct tctacacccg gaaggatgtg cgtcgccacc tggtggtcca      1080
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    518  aggagaatac caggcggtt accaacccat tgcgcctccg ttccagatca aggctgatcc      1260
    519 catgcctcct ttccagttag aaatgccccc cgagagcggg cttgatgggg gcttgcctcc      1320
    520  tgagattcat ggtctagtgc ttgcttcccc agaggaggtt ccccagccta tgctgtctat      1380
    521  gccgccaatg cagccaatgc cagagcagcc tttcactctg caccctgggg tagttccctc      1440
    522  ctctcctccc ccgatcattc ttcaggagca taagtacagc ccagttccta cctcttttgc      1500
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E--> 503 (hard return)

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526  tatagccatt cctggctctc tggagatttc ctctctcttg gggttctggc agctgcccccc 1740
527  tcctcctccc cagaatggct tcatgaatgg caccatccct gtgggggccg gggagccgct  1800
528  gccccatagg ataacttgtc tggcacagca gcagccacca cctctgctac ctccgccgcc  1860
529  gccgctgccg ctgccagagc cgctgccaca gccacagctg ccgccacagt ttcagttgca  1920
530  gctccagccc cagccccaga tgcagcccca gatgcagctg cagcctctac agctgcagct  1980
531  gccccagctg ctgccccagc tgcagcccga gcctgagcca gagccagagc cagaggaaga  2040
532  agaggaagaa gaagaagaga tagaagaaga agaagagatc gaagaagaag aagaagccga  2100
533 accagaagca gaagaagaag aggaggcaga agacgaagag gaggcagagg aagaggaaga  2160
534  agagccacag ccagaagaag cccaaatagc aatgagcgct gtgaatatgg gccagccccc  2220
535  gctaccccCG accccTcatg ttttcacagc tggcaccaac actgctatcc tgccccattt  2280
536 ccaccacgcg ttcagataaa ttggtttttt aagagggtgc ttctcttctg gaagatgttt  2340
537  caaacaccag ttccagttcc agacatcagt tacagtttga agagaagcgt tggaaaaaca  2400
538 ggaatggggt ttctagctta ttgccatgag tagattgaga aaaagaactc tcttaactgc  2460
539  atgcactgtg ccaatacata tatatatata tatatatata tatatgtgta tatatatata  2520
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541  cgtaatcgaa ctgcaagtag tatcatatta ttaccctgat attgttagtc tcatattatt  2640
542  agccttgtat tattctcata taatcaaaac caagatccaa aacatgagct gctaatttgt  2700
543  aaatatcgtg ttgagtgtta gccgtcgtag tgatgttagc tgcgtagttg cgtgttagca  2760
544  ctgcctagga agggcacgag ggccaagttg ggcttctccc acttggaaga tgttttgaag  2820
545  agaaggggt gatctccgta gggcgtccgt aactaggccg tgtgttcttt tcagggaccc  2880
546  gtctaccttc aggattggat gtagtttagt cgctcttctt cttagctcgc tttgtagttt  2940
547  gtccttctgg tagcctactg tgtgtgtctg tgtgtagctt tataggaaag ttccgtgtga  3000
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549 gtgatgttgt accaatgtga attatgactt cgtttatctt aaagacaaaa ctggttgtca  3120
550  gtcatatctg acaggaagaa agaaatccct gtgggtaggc aagtcaagtg gccaactaat  3180
551  gagaagaagc atcaatcgaa agtgttggct gactgggaca ctcatgattc tcacaggact  3240
552 ttgagaaacg tactggaatt aaaaaaaaaa aagcttaagt acattagata agaattttct  3300
553  ttgcctagct taacctacta cttaagcctc ttaagttctg aagtattgtg atcaaccaat  3360
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E--> 554

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555  aagtgtaaaa cctaacccTT gaagactctg tatttccttt tttgagactg tatttcccag  3540
556  catgtatacc ctaacctttg gagactctgt attctgtttt tgagactttc cccccgcccc  3600
557  ccagcatatg taccccgacc cttgaagact gtatttcgtt tttgagagcg tatttcccag  3660
558  catatataca ctaaccctTg aagactctgt atttccttttt ttgagactgt atttcccagc  3720
559  atatatacac taacccttga agactctgta tttcctttttt tgagactgta tttcccagca  3780
560  tatatacact aaccctTtgaa gactctgtat tctgtttttg agacccccCC ccagcatatg  3840
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565  aagactctgt atttcatttt tgagactttt ttccccagca tatataccgt aaccccttgaa  4140
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570 tttcattttt gagactttttt tcccagcata tatacccctaa cccTttgaaga ctctgtaatc  4440
571 tgttttttttt ttttttgag acttttttccc ccagcatata tacactaacc tttgaagact  4500
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574  attccgtttt tgagacccc cccccggcat gaatacccta atctttgaag actctggtat   4680
575  ttcatttttg agattttttt cccctcagca tatatacact aacctttgta gactctgtat   4740
576  tccgtttttg agactttccc cccccagcat gtatacccta acctttgaag actctgtatt   4800
577  tccagcattt gtaccctacc cttgaagact ctgtatttcc cagcatttgt accctaaccc   4860
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1734  acatgaagat gaaggtgggg atcagtgtga tgcatctaca agtcaaggga caccaaagat   180
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1764  aagagcaatg taaaagctca gaacagcccc atcatggtgt tggggaaaca actcggcttc   1980
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Output Set: N:\CRF3\01152002\J024607.raw

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Input Set : A:\B08017231.txt
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1819 ggtttcaaat gactgaactg cattcagatt tacgagtgaa aggaaaaatt gcattagttg     5280
1820 gttgcatgaa cttcgaaggg cagatattac tgcacaaact gccatctcgc ttcatttttt     5340
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1827 ttaatttgcc aatgtcaata aaaagttaag aaataacttg ttttctagaa gtcatttggg     5760
1828 ggtggttgtt ccctttggtg gcttttttcc ccccgtcttt gagttgaaca ctattgatga     5820
1829 gagtaagcat tccaaaggat aaaattacagg acactaaaac aggtcatgat gagcttaagc     5880
1830 ggagagcagg atttaacata attggcataa tgcttcattg ttatcattgt aacatgcctc     5940
1831 ttggtgtgct ttaatcaaaa gctgcaaagt tgtcactgct tttttttttt tcttaattgc     6000
1832 catcatatca agtgtactcc agagttagaa aggtttgcaa tactcaacat tatctttttc     6060
1833 aatgggcagg aggcaaaaaa aatcaagtgt ttctgtttat acctgattca actacttaaa     6120
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1843 <221> NAME/KEY: mRNA
1844 <222> LOCATION: (1)...(1919)
1845 <223> OTHER INFORMATION: human p35srj (MRG1)
1847 <400> SEQUENCE: 33
1848  gtcctgccga gctgtgaggg caacggaggg gaaataaaag ggaacggctc cgaatctgcc       60
1849  ccagcggccg ctgcgagacc tcggcgccga catcgcgaca gcgaagcgct ttgcacgcca      120
1850  ggaaggtccc ctctatgtgc tgctgagccg gtcctggacg cgacgagccc gccctcggtc      180
1851  ttcggagcag aaatcgcaaa aacggaagga ctggaaatgg cagaccatat gatggccatg      240
1852  aaccacgggc gcttccccga cggcaccaat gggctgcacc atcaccctgc ccaccgcatg      300
1853  ggcatggggc agttcccgag cccccatcac caccagcagc agcagcccca gcacgccttc      360
1854  aacgccctaa tgggcgagca catacactac ggcgcgggca acatgaatgc cacgagcggc      420
1855  atcaggcatg cgatggggcc ggggactgtg aacggagggc accccccgag cgcgctggcc      480
1856  cccgcggcca ggtttaacaa ctcccagttc atgggtcccc cggtggccag ccagggaggc      540
1857  tccctgccgg ccagcatgca gctgcagaag ctcaacaacc agtatttcaa ccatcacccc      600
1858  tacccccaca accactacat gccggatttg caccctgctg caggccacca gatgaacggg      660
1859  acaaaccagc acttccgaga ttgcaacccc aagcacagcg gcggcagcag cacccccggc      720
1860  ggctcgggcg gcagcagcac ccccggcggc tctggcagca gctcgggcgg cggcgcgggc      780
1861  agcagcaaca gcggcggcgg cagcggcagc ggcaacatgc ccgcctccgt ggcccacgtc      840
1862  cccgctgcaa tgctgccgcc caatgtcata gacactgatt tcatcgacga ggaagttctt      900
1863  atgtccttgg tgatagaaat gggtttggac cgcatcaagg agctgcccga actctggctg      960
1864  gggcaaaacg agtttgattt tatgacggac ttcgtgtgca acagcagcc cagcagagtg      1020
1865  agctgttgac tcgatcgaaa ccccggcgaa agaaatcaaa cccccaactt cttcggcgtg     1080
1866  aattaaaaga aacattccct tagacacagt atctcacttt tcagatcttg aaaggtttga     1140
```

```
   1867  gaacttggaa acaaagtaaa ctataaactt gtacaaattg gttttaaaaa aaattgctgc  1200
   1868  cacttttttt tcctgttttt gtttcgtttt tgtagccttg acattcaccc acctccctta  1260
   1869  tgtagttgaa atatctagct aacttggtct ttttcgttgt ttgttttac tcctttccct   1320
   1870  cactttctcc agtgctcaac tgttagatat taatcttggc aaactgctta atcttgtgga  1380
   1871  ttttgtagat ggtttcaaat gactgaactg cattcagatt tacgagtgaa aggaaaaatt  1440
   1872  gcattagttg gttgcatgaa ctttgaaggg cagatattac tgcacaaact gccatctcgc  1500
   1873  ttcatttttt taactatgca tttgagtaca gactaatttt taaaatatgc taaactggaa  1560
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   1875  gttggctgtc ccccccgccg cccccccca ccccatatg tacagatgat aataggggtgt  1680
   1876  ggaatgtcgt cagtggcaaa catttcacag attattttgt ttctgtcttc aacatttttg  1740
   1877  acactgtgct aatagttata ttcagtacat gaaaagatac tactgtgttg aaagcctttt  1800
   1878  aggaaatttt gacagtattt ttgtacaaaa catttttttg aaaaaatact tgttaattta  1860
   1879  ttctatttta atttgccaat gtcaataaaa agttaagaaa taaaaaaaaa aaaaaaaaa   1919
E--> 1884  (-31-)
```

VERIFICATION SUMMARY   DATE: 01/15/2002
PATENT APPLICATION: **US/10/024,607**   TIME: 18:09:10

Input Set : **A:\B08017231.txt**
Output Set: **N:\CRF3\01152002\J024607.raw**

L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:503 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:3
L:554 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:4
L:578 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:18
L:578 M:252 E: No. of Seq. differs, <211>LENGTH:Input:5028 Found:4860 SEQ:9
L:1397 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:1835 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:17
L:1835 M:252 E: No. of Seq. differs, <211>LENGTH:Input:6324 Found:6180 SEQ:32
L:1884 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:1919 SEQ:33